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Broadband Communications Sector

Law Department  
101 Tournament Drive  
Horsham, PA 19044

DEC 22 2005

**FAX**Date: December 22, 2005Number of pages including cover sheet: 8**To: United States Patent &  
Trademark Office**

Phone:

Fax:- 571-273-8300

CC:

**From: Robert Marley****Portfolio Manager**Phone: 215-323-1797Fax: 215-323-1300

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**REMARKS:**☐

Urgent

☐

For your review

☐

Reply ASAP

☐

Please comment

**Application No: 09/588,828****Examiner: Kim Vu****Art Unit: 2135****Docket: D02302**

DEC 22 2005

<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	Application Number	09/588,828		
	Filing Date	June 7, 2000		
	First Named Inventor	Sprunk et al		
	Group Art Unit	2135		
	Examiner Name	Kim Vu		
	Attorney Docket Number	D02302		

I hereby appoint:

☒ Practitioners at Customer Number   
**OR**  
☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark office connected therewith.

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number.  
**OR**  
☐ Practitioners at Customer Number

☒ Firm or Individual Name

Address

Address

City

County  State  Zip

Country

Telephone:  Fax

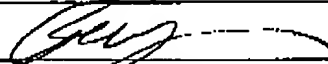
I am the

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. Sec 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☐ Attorney/Agent of Record.

**SIGNATURE of Applicant or Assignee of Record**

Name	General Instrument Corporation by Robert P. Marley Asst. Secretary
Signature	
Date	December 22, 2005

**NOTE:** Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of  form(s) are submitted.

DEC 22 2005

**STATEMENT UNDER 37 CFR 3.73 (b)**

Applicant/Patent Owner: General Instrument Corporation  
Application No./Patent No.: 09/588,828 Filed/Issue Date: June 7, 2000  
Entitled: Self Authentication Ciphertext Chaining  
General Instrument, a Corporation  
Corporation  
(Name of Assignee) (Type of Assignee e.g., corporation, partnership, university, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the Original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

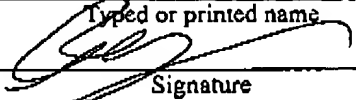
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

December 22, 2005

Date

Robert P. Marley

Typed or printed name

  
SignatureAssistant Secretary

Title

DEC 22 2005

Attorney Docket No.: 18926-002010US  
Client Reference No.: D2302

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Eric J. Sprunk, of 6421 Cayenne Lane, Carlsbad, CA 92009, Xin Qiu, of 13750 Ruelle Le Parc #D, Del Mar, CA 92014, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Self Authentication Ciphertext Chaining

Date(s) of execution of Declaration:

Filing Date: June 7, 2000

Application No.: 09/588,828 ; and

WHEREAS, GENERAL INSTRUMENT CORPORATION, a corporation of the state of Delaware, located at Motorola, Inc., Broadband Communications Sector, 101 Tournament Drive, Horsham, PA, 19044, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

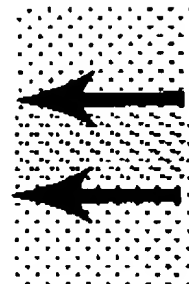
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9/5/2000  
Eric J. SprunkDated: 8/31/2000  
Xin Qiu

SF 1128531 v1



**RECEIVED  
CENTRAL FAX CENTER****DEC 22 2005**Attorney Docket No. 018926—2010US  
Client Ref.: D2302**POWER OF ATTORNEY BY ASSIGNEE**

General Instrument Corporation is the Assignee of the invention entitled: SELF AUTHENTICATION CIPHERTEXT CHAINING, the specification of which was filed on June 7, 2000 as Application Serial No. 09/588,828.

Assignee hereby appoints the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

**Philip H. Albert**, Reg. No. 35,819  
**Charles J. Kulas**, Reg. No. 35,809  
**Gerald T. Gray**, Reg. No. 41,797

---

**Send Correspondence to:**

Philip H. Albert  
TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, CA 94111-3834

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**Direct Telephone Calls to:**

(Name, reg. no., tele. no.)

Philip H. Albert  
Reg. No.: 35,819  
(415) 576-0200

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**General Instrument Corporation**Date: August 28, 2000By: Robert A. Scott  
(Signature)Name: Robert A. Scott  
Title: Secretary

SF 1128564 v1

Attorney Docket No. 018926-002010US

Client Ref. No. D2302

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)Applicant: SPRUNK et al.Application No.: 09/588,828Filed: June 7, 2000For: SELF AUTHENTICATION CIPHERTEXT CHAININGGeneral Instrument Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, governmental agency, etc.)

certifies that it is assignee of the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame(s) \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

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The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: August 28, 200Name: Robert A. ScottTitle: SecretarySignature: Robert A. Scott

SF 1128566 v1